

**REMARKS**

This Reponse, submitted in response to the non-final Office Action dated November 10, 2004, is believed to be fully responsive to the points of rejection raised therein. Accordingly, favorable reconsideration on the merits is respectfully requested.

**As a preliminary matter, Applicants note that, to date, Applicants have not received initialed copies of the respective PTO Forms 1449 for the Supplemental IDS's dated (1) May 3, 2002, (2) October 2, 2003, and December 12 2003. The Examiner is kindly requested to return initialed copies of the respective PTO Forms 1449 for these IDS's.**

Claims 5-7, 11-17, 21-24 and 26-30 are pending.

Claims 5-7 and 11-14 have been rejected under 35 USC 103(a) over US Patent Application Publication No. 2003/0151412. Claims 15-17, 21-24 and 26-30 are allowed. Applicants respectfully submit the following remarks.

Claim 5 recites a monitoring system comprising at least one partial discharge (PD) sensor, which is configured to monitor a component of an aircraft wiring system and to acquire a monitoring signal. The PD sensor comprises a high frequency current transformer (HFCT) sensor encompassing the component, and the HFCT sensor comprises a plurality of conductive leads formed on a substrate and a cap covering the leads and the substrate.

In contrast, Gregory is directed to a PD test link and system to detect PD of a power cable. (Abstract) As noted on page 2 of the Office Action, Gregory does not teach or suggest a monitoring system configured to monitor a component of an aircraft wiring system, as recited by Claim 5.

Contrary to the statement on page 2 of the Office Action, Gregory does not disclose a HFCT sensor encompassing the component, as recited by Claim 5. Instead Greagory connects a PD detection test link 20 across the power cable accessory (Abstract, FIG. 2). PD detection test link 20 includes a conductor member 22 and a PD sensor 24. (Abstract) PD sensor 24 is disposed about conductor member 22 (Abstract, FIG. 2) and does not encompass the component being monitored.

As noted on page 3 of the Office Action, Gregory does not teach or suggest a PD sensor that includes a number of conductive leads formed on a substrate and a cap

covering the leads and the substrate, as recited by amended Claim 5. Further, the detailed description of PD sensor 24 provided in paragraph 28 (pages 2-3) of Gregory and corresponding illustration in FIG. 4 further illustrate that this claimed configuration is not taught or suggested by Gregory.

In view of the above, Applicants respectfully submit that Claim 5 is patentably distinguishable over the cited art. Further, as Claims 6, 7 and 11-14 depend from Claim 5, these claims are also patentably distinguishable over the cited art for at least these reasons. Accordingly, Applicants respectfully request that the rejections of Claims 5-7 and 11-14 be withdrawn.

In view of the above, Applicants respectfully submit that all of the pending claims, namely Claims 5-7, 11-17, 21-24 and 26-30 are in condition for allowance.

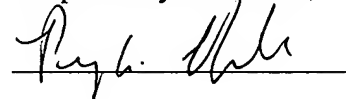
**CONCLUSION**

In view of the foregoing, Applicants respectfully submit that the application is in condition for allowance. Favorable reconsideration and prompt allowance of the application are respectfully requested.

**Please charge all applicable fees associated with the submittal of this Amendment and any other fees applicable to this application to the Assignee's Deposit Account No. 07-0868.**

Should the Examiner believe that anything further is needed to place the application in even better condition for allowance, the Examiner is requested to contact Applicants' undersigned representative at the telephone number below.

Respectfully submitted,



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